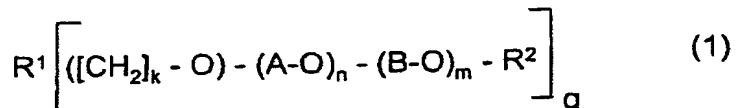


Amendments to the Claims

1. (Currently Amended) The use of compounds A formulating lubricant for refrigerating machines containing carbon dioxide as the refrigerant comprising a base oil of the formula 1



where

$R^1$  is a radical derived from resorcinol (1,3-dihydroxybenzene) or pyrogallol (1,2,3-trihydroxybenzene),

$R^2$  is hydrogen,  $C_1$ - to  $C_{18}$ -alkyl or  $C_6$ - to  $C_{18}$ -aryl

$A$  is an ethylene radical

$B$  is an isopropylene radical

$k$  is zero, 1 or 2

$(n+m)$  is a number from 3 to 20, where  $n$  is at least 1, and

$q$  is 2 or 3,

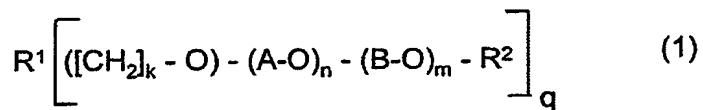
and where, when  $m$  and  $n$  are both greater than zero, the sequence of ethylene and propylene units is random

~~as a base oil for formulating lubricants for refrigerating machines which contain carbon dioxide as the refrigerant.~~

2. (Currently Amended) The use-formulating lubricant as claimed in claim 1, wherein the sum (m+n) of  $m+n$  is from 3 to 9.

3. (Currently Amended) The use-formualting lubricant as claimed in claim 1 and/or 2, wherein  $R^2$  is an alkyl radical having from 1 to 12 carbon atoms.

4. (Currently Amended) The use-formulating additive as claimed in ~~one or more of claims 1 to 3~~claim 1, wherein m is zero.
5. (Currently Amended) The use-formulating additive as claimed in ~~one or more of claims 1 to 4~~claim 1, wherein k is zero.
6. (Currently Amended) The use-formulating additive as claimed in ~~one or more of claims 1 to 5~~claim 1, wherein R<sup>2</sup> is a C<sub>1</sub>- to C<sub>18</sub>-alkyl or C<sub>6</sub>- to C<sub>18</sub>-aryl group.
7. (Currently Amended) A method for operating a refrigerating machine using carbon dioxide as a refrigerating medium, ~~by comprising the step of using a lubricant compound as defined in one or more of claims 1 to 6 as a base oil for lubricants~~claim 1.
8. (New) A lubricant comprising a compound of the formula 1



where

R<sup>1</sup> is an aromatic radical having from 6 to 18 carbon atoms  
R<sup>2</sup> is hydrogen, C<sub>1</sub>- to C<sub>18</sub>-alkyl or C<sub>6</sub>- to C<sub>18</sub>-aryl  
A is an ethylene radical  
B is an isopropylene radical  
k is zero, 1 or 2  
(n+m) is a number from 3 to 20, where n is at least 1, and  
q is 2, 3 or 4,  
and where, when m and n are both greater than zero, the sequence of ethylene and propylene units is random.